Amendments to the Specification:

Please amend on page 2 paragraph 6 to incorporate the Examiner's suggestion, as follows:

When a subscriber initially establishes a broadband connection, the subscriber is provided a default connection. The default connection between a subscriber data processing system 105 and a content-provider data processing system 145 comprises an ATM permanent virtual circuit (PVC). The default connection is an always-on connection that connects the subscriber's CPE to other elements of the communication system 100. If a subscriber wants to initiate a BoD session, the subscriber directs the client-side application 107 to initiate the session. In response, the client-side application 107 sends a request to the connection-management application 142 residing on the proxy signaling server 140. The connection-management application 142 then communicates on behalf of the subscriber with the ATM edge device 120, or another UNI capable network device, to create one or more dynamic VCs to supplement the subscriber's default connection. Once a BoD session has been initiated, the subscriber may modify or release the session by directing the client-side application 107 accordingly.

Please amend on page 5 paragraph 2 to incorporate the Examiner's suggestion, as follows:

An ATM edge device 120, such as an ATM switch or router, bridges and routes traffic from the DSLAM through the ATM network 135 by setting up and tearing down one or more ATM VCs. A broadband remote access server (BRAS) ~~125~~ 115 and Internet 130 provide a default best-effort IP-routed connection from the DSLAM 115 through the ATM edge device 120 to the BRAS 125. A subscriber may establish additional connections from the CPE 110 to the BRAS 115 via the client-side application 107 in order to dynamically allocate bandwidth.

Please amend on page 8 paragraph 1 to incorporate the Examiner's suggestion, as follows:

Before initiating a BoD session, the subscriber begins by logging in to the proxy server 140. The client-premises application 107 sends a LoginReq message on behalf of the subscriber to the

proxy server 140 (step 202). The LoginReq message may include information such as a customer ID, customer name, device ID, login name, and/or password. If login is possible, the proxy server 140 responds to the LoginReq message with a LoginReqAck message (step 204) containing information such as the name of available broadband services (step 206). Such information may also be sent to the subscriber in a separate Service Advertising message. After the subscriber receives the list of available ~~serves~~services, the subscriber data processing system 105 sends a Service AdvertisingCfm message to the proxy server 140 to acknowledge receipt of the Service Advertise message (step 208). After the list of available services has been displayed to the subscriber, a NetServicesCfm message is sent to the proxy server as confirmation (step 210), which completes the Subscriber Login/Service Advertising phase.

Support for following amendment to the Specification may be found, for example, in original claim 1. Please insert the following paragraph on page 1 between paragraphs 6 and 7, as follows:

In another aspect, an initiation of a bandwidth-on-demand session creates one or more switched virtual circuits (SVCs) between the subscriber data processing system and the content-provider data processing system to supplement the bandwidth of the default connection, and the ending of the bandwidth-on-demand session is by terminating the one or more SVCs.

Support for following amendment to the Specification may be found, for example, in original claim 10. Please insert the following paragraph on page 1 between paragraphs 6 and 7 after the paragraph added above, as follows:

In yet another aspect, a client-side application on a subscriber data processing is for use by a subscriber to request a bandwidth-on-demand session and for transmitting information to a proxy signaling server in response to the request